

FILEID**DSPHL

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V04-

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```
1 0001 0 MODULE DSPHL !  
2 0002 0 IDENT = 'V04-000'  
3 P 0003 0 XBLISS32[,  
4 P 0004 0 ADDRESSING_MODE(INTERNAL=LONG_RELATIVE,NONEXTERNAL=LONG_RELATIVE)  
5 0005 0 ]  
6 0006 0 ) =  
7 0007 1 BEGIN  
8 0008 1  
9 0009 1 *****  
10 0010 1 *  
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28 0028 1 *  
29 0029 1 *  
30 0030 1 *****  
31 0031 1 .  
32 0032 1 ++  
33 0033 1  
34 0034 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS  
35 0035 1 ABSTRACT: Processes the .DISPLAY LEVELS command.  
36 0036 1  
37 0037 1 ENVIRONMENT: Transportable  
38 0038 1  
39 0039 1 AUTHOR: R.W.Friday CREATION DATE: May, 1979  
40 0040 1  
41 0041 1  
42 0042 1  
43 0043 1
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DSPHL
V04-000

Revision History

D 13
16-Sep-1984 00:21:50 VAX-11 Bliss-32 v4.0-742
14-Sep-1984 13:06:02 DISKS\VMSSMASTER:[RUNOFF.SRC]DSPHL.BLI;1 Page 2
(**F)

: 45 0044 1 %SBTTL 'Revision History'
: 46 0045 1
: 47 0046 1 MODIFIED BY:
: 48 0047 1
: 49 0048 1 002 KFA00002 Ken Alden 07-Mar-1983
: 50 0049 1 Global edit of all modules. Updated module names, idents,
: 51 0050 1 copyright dates. Changed require files to BLISS library.
: 52 0051 1
: 53 0052 1 --

Module Level Declarations

E 13
16-Sep-1984 00:21:50
14-Sep-1984 13:06:02
VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]DSPHL.BLI;1 Page 3 (3)

```
55 0053 1 %SBTTL 'Module Level Declarations'  
56 0054 1  
57 0055 1 TABLE OF CONTENTS:  
58 0056 1  
59 0057 1  
60 0058 1  
61 0059 1 INCLUDE FILES:  
62 0060 1  
63 0061 1  
64 0062 1 LIBRARY 'NXPORT:XPORT'; ! XPORT Library  
65 0063 1 REQUIRE 'REQ:RNODEF'; ! RUNOFF variant definitions  
66 0194 1  
67 U 0195 1 XIF DSRPLUS %THEN  
68 U 0196 1 LIBRARY 'REQ:DPLLIB'; ! DSRPLUS BLISS Library  
69 0197 1 %ELSE  
70 0198 1 LIBRARY 'REQ:DSRLIB'; ! DSR BLISS Library  
71 0199 1 %FI  
72 0200 1  
73 0201 1  
74 0202 1 MACROS:  
75 0203 1  
76 0204 1  
77 0205 1  
78 0206 1 EQUATED SYMBOLS:  
79 0207 1  
80 0208 1  
81 0209 1  
82 0210 1 OWN STORAGE:  
83 0211 1  
84 0212 1  
85 0213 1  
86 0214 1 EXTERNAL REFERENCES:  
87 0215 1  
88 0216 1 EXTERNAL  
89 0217 1 IRA : FIXED STRING,  
90 0218 1 HLDSP : VECTOR [MAX_LEVELS];  
91 0219 1  
92 0220 1 EXTERNAL ROUTINE  
93 0221 1 GETDD,  
94 0222 1 RSKIP$,  
95 0223 1 SKPSEP;
```

```
97      0224 1 GLOBAL ROUTINE DSPHL (HANDLER) : NOVALUE =      !
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152      0225 1 ++
      0226 1 | FUNCTIONAL DESCRIPTION:
      0227 1 | See the ABSTRACT for a general description.
      0228 1 |
      0229 1 | FORMAL PARAMETERS:
      0230 1 |
      0231 1 | HANDLER is a dummy parameter passed for conformance only.
      0232 1 |
      0233 1 | IMPLICIT INPUTS:      None
      0234 1 |
      0235 1 | IMPLICIT OUTPUTS:    None
      0236 1 |
      0237 1 | ROUTINE VALUE:
      0238 1 | COMPLETION CODES:    None
      0239 1 |
      0240 1 | SIDE EFFECTS:        None
      0241 1 |
      0242 1 | --
      0243 1 | BEGIN
      0244 1 | LOCAL
      0245 1 |   DISPLAY_CODE;
      0246 2 |
      0247 2 | !Skip spaces and tabs before the first display descriptor.
      0248 2 | RSKIP (IRA);
      0249 2 |
      0250 2 | !Attempt to get and process enough display descriptors to define
      0251 2 | !the display characteristics of all header levels.
      0252 2 | INCR I FROM 0 TO (MAX_LEVELS - 1) DO
      0253 2 |   BEGIN
      0254 2 |     CASE GETDD (DISPLAY_CODE) FROM -1 TO 1 OF
      0255 2 |       SET
      0256 2 |       [-1] :
      0257 2 |         RETURN;                                !Quit if an error is detected
      0258 2 |       [0] :
      0259 2 |         0;                                    !Skip over empty positions
      0260 2 |       [+1] :
      0261 2 |         HLDSP [.I] = .DISPLAY_CODE;          !Save this display code
      0262 2 |       TES;
      0263 2 |
      0264 2 | !Skip a separator to position to next descriptor
      0265 2 | IF .I NEQ (MAX_LEVELS - 1)
      0266 2 | THEN
      0267 2 |   SKPSEP (IRA);
      0268 2 |
      0269 2 | END
      0270 2 |
      0271 2 | END;                                     !End of DSPHL
```

```

        .TITLE DSPHL
        .IDENT \V04-000\

        .EXTRN IRA, HLDSP, GETDD
        .EXTRN RSKIP$, SKPSEP

        .PSECT $CODES,NOWRT,2

        53 00000000G 000C 000000      .ENTRY DSPHL, Save R2,R3   0224
        5E                                     MOVAB IRA, R3
        04 C2 00009 01 FB 0000E          SUBL2 #4, SP
        53 DD 0000C 52 D4 00015          PUSHL R3
        00000000G EF                                     CALLS #1, RSKIP$
        01 FB 00019 5E DD 00017          CLRL I
        50 CF 00020 0021 00028          PUSHL SP
        02 FFFFFFFF 000F 1$:           CALLS #1, GETDD
        0007                                     CASEL R0, #-1, #2
                                         .WORD 6$-2$,-
                                         0255
                                         4$-2$,-
                                         3$-2$   0258

                                         00000000GEF42 04 0002E          RET
                                         05                                     MOVL DISPLAY_CODE, HLDSP[I]   0262
                                         6E D0 0002F 3$:           CMPL I, #5
                                         52 D1 00037 4$:           BEQL 5$
                                         09 13 0003A 53 DD 0003C          PUSHL R3
                                         CE 00000000G EF 01 FB 0003E          CALLS #1, SKPSEP
                                         52 05 F3 00045 5$:           AOBLEQ #5, I, 1$   0275
                                         04 00049 6$:           RET
                                         0255
                                         0279

```

: Routine Size: 74 bytes, Routine Base: \$CODES + 0000

: 153 0280 1 END !End of module
: 154 0281 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$CODES	74	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[SYSLIB]XPORT.L32:1	590	0	0	252	00:00.2
-\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32:1	1248	2	0	86	00:00.2

COMMAND QUALIFIERS

```
: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:DSPHL/OBJ=OBJ$:DSPHL MSRC$:DSPHL/UPDATE=(ENH$:DSPHL)
```

```
: Size: 74 code + 0 data bytes
: Run Time: 00:02.8
: Elapsed Time: 00:10.0
: Lines/CPU Min: 6021
: Lexemes/CPU-Min: 8421
: Memory Used: 27 pages
: Compilation Complete
```

0339 AH-BT13A-SE
VAX/VMS V4.0

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